

The concentration dependences of self-diffusion coefficients for solvent molecules in dilute solutions of polydimethylsiloxane

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Abstract

The concentration dependences of the self-diffusion coefficients of molecules of several hydrocarbon solvents in solutions of polydimethylsiloxane were analyzed. A "rational" concentration scale was suggested to compare the experimental concentration dependences of the self-diffusion coefficients of solvents, and suggestions concerning the factors determining this scale were made.
